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From-PILLSBURY WINTHROP

703-905-2500

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ABSTRACT OF THE DISCLOSURE

The invention relates to a cellular radio network and a method for increasing traffic carrying capacity in a cellular network. The operating frequency spectrum of the cellular network has been divided in such a way that typically both regular frequencies and super-reuse frequencies are employed in each cell. The regular frequencies use a conventional frequency reuse pattern to provide seamless overall coverage. A very tight frequency reuse pattern is used for the super-reuse frequencies to provide additional capacity.